

PATENT APPLN. NO. 09/830,215  
RESPONSE UNDER 37 C.F.R. §1.111

**PATENT  
NON-FINAL**

**IN THE CLAIMS:**

1. (previously presented) A biaxially oriented film comprising a film of a polymer alloy composed of at least one of polyethylene terephthalate or poly(ethylene-2, 6-naphthalenedicarboxylate) (polymer 1) and a polyetherimide (polymer 2) as essential components, wherein micro protrusions having a height of 2 to 50 nm are formed at a density of 1,000,000 to 90,000,000/mm<sup>2</sup> on at least one surface.

2. (original) A biaxially oriented film according to Claim 1, wherein the number of the micro protrusions is 3,000,000 to 60,000,000/mm<sup>2</sup>.

3. (previously presented) A biaxially oriented film according to Claim 1, wherein the height of the micro protrusions is 2 to 30 nm.

4. (original) A biaxially oriented film according to Claim 1, wherein at least some of the micro protrusions are made of the polymer 1 or the polymer 2.

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5. (original) A biaxially oriented film according to Claim 4, wherein 30% or more of the micro protrusions are made of the polymer 1 or the polymer 2.

6. (original) A biaxially oriented film according to Claim 1, wherein the polymer 2 has a higher glass transition temperature ( $T_g$ ) than the polymer 1.

7. (original) A biaxially oriented film according to Claim 1, wherein the polymer 2 has compatibility with the polymer 1.

8-10. (canceled)

11. (original) A biaxially oriented film according to Claim 1, wherein the polymer 1 comprises polyethylene terephthalate.

12. (original) A biaxially oriented film according to Claim 1, wherein the number of the protrusions having a height of 50 nm or more is 3000/mm<sup>2</sup> or less.

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13. (original) A biaxially oriented film according to Claim 1, wherein the number of the protrusions having a height of 30 nm or more is 1500/mm<sup>2</sup> or less.

14. (original) A biaxially oriented film comprising a film (A layer) according to Claim 1 laminated as at least one of outermost layers of a base layer (B layer).

15. (previously presented) A biaxially oriented film according to Claim 14 comprising another film (C layer) laminated as the opposite outermost layer to form a laminated structure comprising at least three layers including the A layer, the B layer and the C layer.

16. (previously presented) A biaxially oriented film according to Claim 15, wherein a surface roughness  $Ra_A$  on the A layer side is 0.2 to 10 nm, a surface roughness  $Ra_C$  on the C layer side is 1 to 30 nm, and  $Ra_C$  is larger than  $Ra_A$ .

17. (previously presented) A biaxially oriented film according to Claim 14, wherein the base layer (B layer) comprises

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the polymer 1 or the polymer alloy composed of the polymer 1 and the polymer 2.

18. (original) A biaxially oriented film according to Claim 14, wherein the number of the protrusions having a height of 50 nm or more on the A layer side surface is 3000/mm<sup>2</sup> or less.

19. (original) A biaxially oriented film according to Claim 14, wherein the number of the protrusions having a height of 30 nm or more on the A layer side surface is 1500/mm<sup>2</sup> or less.

20. (original) A biaxially oriented film according to Claim 14, wherein the content  $W_A$  (% by weight) of the polymer 2 of the A layer and the content  $W_B$  (% by weight) of the polymer 2 of the B layer satisfies the following relations:

$$0 \leq W_B \leq 40$$

$$5 \leq W_A \leq 50$$

$$10 \leq W_A - W_B \leq 40$$

21. (original) A biaxially oriented film according to Claim 14, wherein the content  $W_A$  (% by weight) of the polymer 2 of

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the A layer and the content  $W_B$  (% by weight) of the polymer 2 of the B layer satisfies the following relations:

$$0 \leq W_B \leq 25$$

$$25 \leq W_A \leq 40$$

$$10 \leq W_A - W_B \leq 40$$

22. (original) A biaxially oriented film according to Claim 14, wherein the A layer contains substantially no inert particle.

23. (currently amended) A biaxially oriented film according to Claim 14, wherein the A layer contains 0.001 to 2% by weight of inert particles having an average particle diameter of ~~0.01 to 2 mm~~ 0.01 to 2  $\mu$ m.

24. (currently amended) A biaxially oriented film according to Claim 23, wherein the A layer contains 0.01 to 1% by weight of inert particles having an average particle diameter of ~~0.01 to 1 mm~~ 0.01 to 1  $\mu$ m.

25. (original) A biaxially oriented film comprising a laminated structure of at least three layers including A layer, B

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layer and C layer, wherein the A layer comprises a film composed of polyester and polyetherimide and has a surface roughness  $Ra_A$  of 0.2 to 10 nm, and the layer opposite to the A layer has a surface roughness  $Ra_C$  is 1 to 30 nm.

26. (original) A biaxially oriented film according to Claim 25, wherein the surface roughness  $Ra_A$  of the A layer is 0.5 to 5 nm, the surface roughness  $Ra_C$  of the layer opposite to the A layer is 5 to 15 nm, and  $Ra_C$  is larger than  $Ra_A$ .

27. (previously presented) A magnetic recording medium comprising a biaxially oriented film according to Claim 1, and a magnetic layer provided on one side of the biaxially oriented film.

28. (original) A magnetic recording medium according to Claim 27, wherein the magnetic layer comprises a ferromagnetic metal thin film.

29. (original) A magnetic recording medium according to Claim 27, wherein the magnetic layer comprises a ferromagnetic metal fine powder dispersed in a binder.

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30. (previously presented) A biaxially oriented film according to Claim 2, wherein the height of the micro protrusions is 2 to 30 nm.

31. (previously presented) A biaxially oriented film according to Claim 15, wherein the C layer comprises a polyester.

32. (previously presented) A biaxially oriented film according to Claim 15, wherein the C layer comprises the same polymer as the B layer.